

Student Link

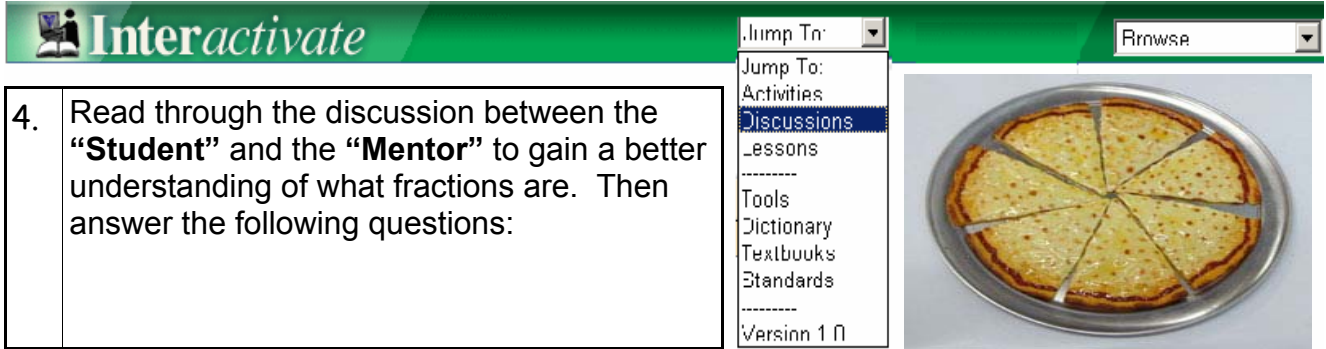
Lesson Activity for Grade 7 (Mathematics: Numbers, Patterns & Shapes)

Student Name: _____

INSTRUCTIONS

We see fractions everywhere in cooking, in measurements and when we decide how much of something we want to eat. This lesson will give you some more knowledge and practice working with fractions.

1. Starting from the “Grade 7” StudentLink homepage click on “Mathematics”.
2. Then, under the “Number” column click on “Shodor: Number”
3. At the top of the page, click on “Jump To” to bring down the selection menu. Then click on “Discussions”. Then scroll down the page until you come to “Comparing Fractions Discussion”. Click on the link.



The screenshot shows the top navigation bar of the Interactivate website. On the left is the 'Interactivate' logo. In the center is a 'Jump To' dropdown menu with the following options: Activities, Discussions (highlighted), Lessons, Tools, Dictionary, Textbooks, Standards, and Version 1.0. On the right is a 'Browse' dropdown menu. Below the navigation bar is a large image of a pizza cut into slices.

4. Read through the discussion between the “Student” and the “Mentor” to gain a better understanding of what fractions are. Then answer the following questions:

1) In your own words, explain what fractions are.

2) What is a denominator? What is a numerator?

Denominator

Numerator

Student Name: _____

In the discussion, the student drew pictures to represent a fraction. Complete the question at the end of the discussion. Which fraction is bigger, $1/6$ or $1/8$?

Using pictures, draw the fractions you see below and determine which one is larger:

a) $5/6$ or $1/2$

b) $2/3$ or $4/5$

c) $9/11$ or $8/9$

5. Now, click on the back button until you get back to the main discussion page. Hopefully, you now have an idea about the concept of fractions and what they are. But how do they fit into regular math like addition and subtraction? Click on the "**Fraction Addition and Subtraction Discussion**" to learn more.

6. Read through the discussion and try the questions below to test your understanding. (Remember that the denominators have to match...)

a) $2/5 + 7/5 = \underline{\quad}$

b) $1/3 + 5/6 = \underline{\quad}$

c) $6/7 + 8/9 = \underline{\quad}$

d) $1/2 - 1/3 = \underline{\quad}$



7. Now that you've had the opportunity to understand what fractions are and had some practice in adding and subtracting them, go to an activity to try your skill level...Click "**Activities**" on the drop down menu and try one of the fraction games to test your knowledge (try your luck at "**Fraction Four**")